

OIIPE

## RAW SEQUENCE LISTING

DATE: 10/09/2001

PATENT APPLICATION: US/09/560,494

TIME: 10:16:03

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10092001\I560494.raw

## SEQUENCE LISTING

4 (1) GENERAL INFORMATION:  
6 (i) APPLICANT: Jakobsen, Brent Karsten  
7 Gao, George Fu  
8 Gerth, Ulrich Conrad  
9 Sewell, Andrew Kelvin  
11 (ii) TITLE OF INVENTION: CD8 AS AN INHIBITOR OF THE CELLULAR  
12 IMMUNE SYSTEM  
14 (iii) NUMBER OF SEQUENCES: 26  
16 (iv) CORRESPONDENCE ADDRESS:  
17 (A) ADDRESSEE: Hale and Dorr LLP  
18 (B) STREET: 60 State Street  
19 (C) CITY: Boston  
20 (D) STATE: Massachusetts  
21 (E) COUNTRY: United States  
22 (F) ZIP: 02109  
24 (v) COMPUTER READABLE FORM:  
25 (A) MEDIUM TYPE: Floppy disk  
26 (B) COMPUTER: IBM PC compatible  
27 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
28 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30  
30 (vi) CURRENT APPLICATION DATA:  
C--> 31 (A) APPLICATION NUMBER: US/09/560,494  
C--> 32 (B) FILING DATE: 28-Apr-2000  
33 (C) CLASSIFICATION:  
39 (vii) PRIOR APPLICATION DATA:  
36 (A) APPLICATION NUMBER: WO PCT/GB98/03235  
37 (B) FILING DATE: 28-OCT-1998  
40 (A) APPLICATION NUMBER: GB 9722779.7  
41 (B) FILING DATE: 28-OCT-1997  
43 (viii) ATTORNEY/AGENT INFORMATION:  
44 (A) NAME: Baker, Hollie L.  
45 (B) REGISTRATION NUMBER: 31,321  
46 (C) REFERENCE/DOCKET NUMBER: 102286.413  
48 (ix) TELECOMMUNICATION INFORMATION:  
49 (A) TELEPHONE: (617) 526-6000  
50 (B) TELEFAX: (617) 526-5000

## ERRORED SEQUENCES

511 (2) INFORMATION FOR SEQ ID NO: 24:  
513 (i) SEQUENCE CHARACTERISTICS:  
514 (A) LENGTH: 122 amino acids  
515 (B) TYPE: amino acid  
516 (D) TOPOLOGY: linear  
518 (ii) MOLECULE TYPE: protein

*Run  
delete stop codon*

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/560,494

DATE: 10/09/2001

TIME: 10:16:03

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10092001\I560494.raw

519 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:

```

521 Met Ser Gln Phe Arg Val Ser Pro Leu Asp Arg Thr Trp Asn Leu Gly
522 1 5 10 15
524 Glu Thr Val Glu Leu Lys Cys Gln Val Leu Leu Ser Asn Pro Thr Ser
525 20 25 30
527 Gly Cys Ser Trp Leu Phe Gln Pro Arg Gly Ala Ala Ala Ser Pro Thr
528 35 40 45
530 Phe Leu Leu Tyr Leu Ser Gln Asn Lys Pro Lys Ala Ala Glu Gly Leu
531 50 55 60
533 Asp Thr Gln Arg Phe Ser Gly Lys Arg Leu Gly Asp Thr Phe Val Leu
534 65 70 75 80
536 Thr Leu Ser Asp Phe Arg Arg Glu Asn Glu Gly Tyr Tyr Phe Cys Ser
537 85 90 95
539 Ala Leu Ser Asn Ser Ile Met Tyr Phe Ser His Phe Val Pro Val Phe
540 100 105 110
E--> 542 Leu Pro Ala Lys Pro Thr Thr Thr Pro *
543 115 120

```

## VERIFICATION SUMMARY

DATE: 10/09/2001

PATENT APPLICATION: US/09/560,494

TIME: 10:16:04

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10092001\I560494.raw

L:31 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]  
L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:542 M:342 E: Invalid Stop Code On Error, STOP CODON:\*  
L:567 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:571 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:575 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:579 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:583 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:587 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:591 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:595 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:599 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25

**STATISTICS SUMMARY**

PATENT APPLICATION: US/09/560,494

DATE: 10/09/2001

TIME: 10:16:04

Input Set : A:\PTO.MH.txt

Output Set: N:\CRF3\10092001\I560494.raw

Application Serial Number: US/09/560,494

Alpha or Numeric: Alpha

Application Class:

Application File Date: 04-28-2000

Art Unit: OIPE

Software Application: PatentIn

Total Number of Sequences: 26

Total Nucleotides: 1575

Total Amino Acids: 315

Number of Errors: 1

Number of Warnings: 9

Number of Corrections: 0

**MESSAGE SUMMARY**

342 E: 1 (Invalid Stop Code On Error)

336 W: 9 (Invalid Amino Acid Number in Coding Region)

OIPE

## RAW SEQUENCE LISTING

DATE: 08/09/2001

PATENT APPLICATION: US/09/560,494

TIME: 13:06:52

Input Set : A:\102286.413.txt

Output Set: N:\CRF3\08092001\I560494.raw

## SEQUENCE LISTING

4 (1) GENERAL INFORMATION:  
6 (i) APPLICANT: Jakobsen, Brent Karsten  
7 Gao, George Fu  
8 Gerth, Ulrich Conrad  
9 Sewell, Andrew Kelvin  
11 (ii) TITLE OF INVENTION: CD8 AS AN INHIBITOR OF THE CELLULAR  
12 IMMUNE SYSTEM  
14 (iii) NUMBER OF SEQUENCES: 26  
16 (iv) CORRESPONDENCE ADDRESS:  
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18 (B) STREET: 60 State Street  
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## ERRORED SEQUENCES

511 (2) INFORMATION FOR SEQ ID NO: 24:  
513 (i) SEQUENCE CHARACTERISTICS:  
514 (A) LENGTH: 122 amino acids  
515 (B) TYPE: amino acid  
516 (D) TOPOLOGY: linear  
518 (ii) MOLECULE TYPE: protein

*Read Files - OK*

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/560,494

DATE: 08/09/2001

TIME: 13:06:52

Input Set : A:\102286.413.txt

Output Set: N:\CRF3\08092001\I560494.raw

```

519      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:
521 Met Ser Gln Phe Arg Val Ser Pro Leu Asp Arg Thr Trp Asn Leu Gly
522   1          5          10          15
524 Glu Thr Val Glu Leu Lys Cys Gln Val Leu Leu Ser Asn Pro Thr Ser
525          20          25          30
527 Gly Cys Ser Trp Leu Phe Gln Pro Arg Gly Ala Ala Ala Ser Pro Thr
528          35          40          45
530 Phe Leu Leu Tyr Leu Ser Gln Asn Lys Pro Lys Ala Ala Glu Gly Leu
531          50          55          60
533 Asp Thr Gln Arg Phe Ser Gly Lys Arg Leu Gly Asp Thr Phe Val Leu
534   65          70          75          80
536 Thr Leu Ser Asp Phe Arg Arg Glu Asn Glu Gly Tyr Tyr Phe Cys Ser
537          85          90          95
539 Ala Leu Ser Asn Ser Ile Met Tyr Phe Ser His Phe Val Pro Val Phe
540          100         105         110
E--> 542 Leu Pro Ala Lys Pro Thr Thr Thr Pro *
543          115         120
602 (2) INFORMATION FOR SEQ ID NO: 26:
604      (i) SEQUENCE CHARACTERISTICS:
605          (A) LENGTH: 131 amino acids
606          (B) TYPE: amino acid
607          (D) TOPOLOGY: linear
609      (ii) MOLECULE TYPE: protein
610      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 26:
612 Met Lys Pro Gln Ala Pro Glu Leu Arg Ile Phe Pro Lys Lys Met Asp
613   1          5          10          15
615 Ala Glu Leu Gly Gln Lys Val Asp Leu Val Cys Glu Val Leu Gly Ser
616          20          25          30
618 Val Ser Gln Gly Cys Ser Trp Leu Phe Gln Asn Ser Ser Ser Lys Leu
619          35          40          45
621 Pro Gln Pro Thr Phe Val Val Tyr Met Ala Ser Ser His Asn Lys Ile
622          50          55          60
624 Thr Trp Asp Glu Lys Leu Asn Ser Ser Lys Leu Phe Ser Ala Met Arg
625   65          70          75          80
627 Asp Thr Asn Asn Lys Tyr Val Leu Thr Leu Asn Lys Phe Ser Lys Glu
628          85          90          95
630 Asn Glu Gly Tyr Tyr Phe Cys Ser Val Ile Ser Asn Ser Val Met Tyr
631          100         105         110
633 Phe Ser Ser Val Val Pro Val Leu Gln Lys Val Asn Ser Thr Thr Thr
634          115         120         125
E--> 636 Lys Pro *
637          130

```

*Edited Stop Codon and Part 2 section i section A*

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/560,494

DATE: 08/09/2001

TIME: 13:06:53

Input Set : A:\102286.413.txt

Output Set: N:\CRF3\08092001\I560494.raw

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L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]  
L:542 M:342 E: Invalid Stop Code On Error, STOP CODON:\*  
L:567 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
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L:575 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:579 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:583 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:587 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:591 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:595 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:599 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:25  
L:636 M:342 E: Invalid Stop Code On Error, STOP CODON:\*

## STATISTICS SUMMARY

PATENT APPLICATION: US/09/560,494

DATE: 08/09/2001

TIME: 13:06:53

Input Set : A:\102286.413.txt

Output Set: N:\CRF3\08092001\I560494.raw

Application Serial Number: US/09/560,494

Alpha or Numeric: Alpha

Application Class:

Application File Date: 04-28-2000

Art Unit: OIPE

Software Application: PatentIn

Total Number of Sequences: 26

Total Nucleotides: 1575

Total Amino Acids: 316

Number of Errors: 2

Number of Warnings: 9

Number of Corrections: 0

## MESSAGE SUMMARY

342 E: 2 (Invalid Stop Code On Error)

336 W: 9 (Invalid Amino Acid Number in Coding Region)